

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF

Mills et al

SERIAL NO.: To Be Assigned

FILED: Herewith

FOR: FABRICATION OF FABRY-PEROT
POLYMER FILM SENSING
INTERFEROMETERS) Examiner:
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Amdt.
SDavis
3/19/03AMENDMENT ACCOMPANYING APPLICATIONHonorable Director of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

The present application is in the national filing of international application number PCT/GB00/03238. Before calculation of the national filing fee for the United States, it is requested that the application be amended as follows:

IN THE CLAIMS:

Amend claims 5, 6, 8 & 9 as follows:

5. (Amended) A method according to claim 2, in which the deposition chamber has an internal pressure of less than 20Pa.

6. (Amended) A method according to claim 1, in which the substrate is the cleaved end of an optical fibre.

8. (Amended) A sensor according to claim 7, in which the parylene film is formed by a method according of forming an interferometer film for an interferometer sensor comprising the step of forming a polymer layer of substantially uniform thickness directly on an interferometer substrate, the layer forming the interferometer film, wherein the polymer layer is deposited by polymerisation of a gas of monomer particles including a para-xylylene.